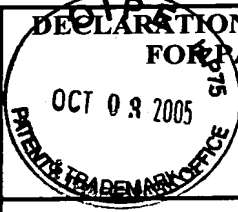


10/532734

 DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	51876.P844
		First Named Inventor	CHANG, Kyung-Hi
COMPLETE IF KNOWN			
<input checked="" type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)		Application Number	10/532,734
		Filing Date	April 22, 2005
		Art Unit	
		Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

FREQUENCY HOPPING OFDMA METHOD USING SYMBOLS OF COMB PATTERN

the specification of which

☐ is attached hereto.

OR

☒ was filed on (if applicable) :

as United States Application Number _____
or November 26, 2002 PCT International Application Number PCT/KR02/002214

and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I do not know and do not believe that the same was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application.

I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35, U. S. C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
10-2002-0065638	Republic of Korea	10/26/2002	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby appoint the practitioners associated with customer Number: 08791 as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Direct all correspondence to Customer Number 08791.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

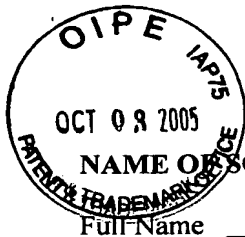
1-00 NAME OF SOLE OF FIRST INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name CHANG, Kyung-Hi
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature [Signature] Date 06/08/2005

Residence Daejeon, Korea KRX Citizenship Republic of Korea
(City, State, Country) (Country)

Mailing Address #104-1409 Clover Apt., Dunsan -dong, Seo-gu,
Daejeon, 302-772, Korea



NAME OF SOLE OF SECOND INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name KIM, Kwang-Soon
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Daejeon, Korea Citizenship Republic of Korea
(City, State, Country) (Country)

Mailing Address #109-1203 Hana Apt., Shinseong-dong, Yuseong-gu,
Daejeon, 305-721, Korea

NAME OF SOLE OF THRID INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name CHO, Yong-Soo
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Seoul, Korea Citizenship Republic of Korea
(City, State, Country) (Country)

Mailing Address #25-1006 Shinbanpo Apt., Banpo-dong, 1-1, Seocho-gu,
Seoul, 137-767, Korea

NAME OF SOLE OF FORTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name HA, Suk-Won
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Seoul, Korea Citizenship Republic of Korea
(City, State, Country) (Country)

Mailing Address #1-405 Kukdong Apt., Gwangjang-dong, Gwangjin-gu,
Seoul, 143-751, Korea



DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	51876.P844	
		First Named Inventor	CHANG, Kyung-Hi	
		COMPLETE IF KNOWN		
		Application Number	10/532,734	
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			Examiner Name	

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FREQUENCY HOPPING OFDMA METHOD USING SYMBOLS OF COMB PATTERN

the specification of which

☐ is attached hereto.

OR

☒ was filed on (if applicable) :

as United States Application Number _____
or November 26, 2002 PCT International Application Number PCT/KR02/002214

and was amended on _____ (if applicable)

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Prior Foreign Application(s)

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
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			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby appoint the practitioners associated with customer Number: **08791** as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

Direct all correspondence to Customer Number **08791**.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

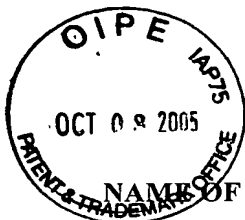
NAME OF SOLE OF FIRST INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name CHANG, Kyung-Hi
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Daejon, Korea Citizenship Republic of Korea
(City, State, Country) (Country)

Mailing Address #104-1409 Clover Apt., Dunsan -dong, Seo-gu,
Daejon, 302-772, Korea



NAME OF SOLE OF SECOND INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name KIM, Kwang-Soon
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Daejeon, Korea Citizenship Republic of Korea
(City, State, Country) (Country)

Mailing Address #109-1203 Hana Apt., Shinseong-dong, Yuseong-gu,
Daejeon, 305-721, Korea

3-00 NAME OF SOLE OF THRID INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name CHO, Yong-Soo
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature [Signature] Date June 6, 2005

Residence Seoul, Korea KRX Citizenship Republic of Korea
(City, State, Country) (Country)

Mailing Address #25-1006 Shinbanpo Apt., Banpo-dong, 1-1, Seocho-gu,
Seoul, 137-767, Korea

4-00 NAME OF SOLE OF FORTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name HA, Suk-Won
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature [Signature] Date June 7, 2005

Residence Seoul, Korea KRX Citizenship Republic of Korea
(City, State, Country) (Country)

Mailing Address #1-405 Kukdong Apt., Gwangjang-dong, Gwangjin-gu,
Seoul, 143-751, Korea

10/532734

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned,

CHANG, Kyung-Hi ; KIM, Kwang-Soon ; CHO, Yong-Soo and HA, Suk-Won

Hereby sells, assigns, and transfers to:

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE

a corporation of Republic of Korea, having a principal place of business at:

161, Gajeong-dong, Yuseong-gu, 305-350 Daejeon, Republic of Korea ("Assignee"), and its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

☐ which has been executed by the undersigned concurrently herewith,

☒ which was filed November 26, 2002 and assigned Serial No. PCT/KR02/002214,

and is entitled:

FREQUENCY HOPPING OFDMA METHOD USING SYMBOLS OF COMB PATTERN

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: _____, 2005

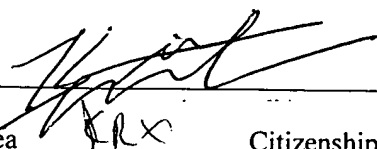
Name: **CHANG, Kyung-Hi**

Date: June 8, 2005

Name: **KIM, Kwang-Soon**

2-00
NAME OF SOLE OF SECOND INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name KIM, Kwang-Soon
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature  Date June 8, 2005

Residence Daejeon, Korea Citizenship Republic of Korea
(City, State, Country) (Country)

Mailing Address #109-1203 Hana Apt., Shinseong-dong, Yuseong-gu,
Daejeon, 305-721, Korea

NAME OF SOLE OF THRID INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name CHO, Yong-Soo
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

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NAME OF SOLE OF FORTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name HA, Suk-Won
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

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